

## BROMBERG &amp; SUNSTEIN LLP

ATTORNEYS AT LAW  
125 SUMMER STREET  
BOSTON, MA 02110-1618  
(617) 443-9292  
FACSIMILE: (617) 443-0004  
WWW.BROMSUN.COM

BRUCE D. SUNSTEIN  
LEE CARL BROMBERG  
ROBERT L. KAHN  
TIMOTHY M. MURPHY  
KERRY L. TIMBERS  
JOEL R. LEEHMAN  
ROBERT M. ASHER  
THOMAS C. CAREY  
EDWARD J. DAILEY  
ERIK PAUL BELT  
JULIA HUSTON  
STEVEN G. BAUNDERS  
SAMUEL J. PETUCHOWSKI, PH.D.

JUDITH R.S. STERN  
LISA M. FLEMING  
HARRIET M. STRIMPEL, D. PHIL.  
SONIA K. OUTERMAN, PH.D.

SENIOR SCIENTIST\*  
WAYNE G. HASER, PH.D.  
\*NON-LAWYER

facsimile  
TRANSMITTAL

THEODORE E. MACVEIGH  
ANNE MARIE LONGQUERO  
LINCOLN S. JALILIAN  
CHRISTOPHER K. BARRY-SMITH  
KAREN A. SUCANAN  
JOHN F. WARD  
LISA M. TITTEMORE  
JOHN J. STICKEVERS  
JILL E. DIAZ  
AHAVIAM DIANE GLASER  
HEBERT A. NEWSBORN  
JEFFREY T. KLAYMAN  
NICOLE ZAWARSKI  
JAY SANDVOS  
ALTON HORNSBY III  
JEAN M. TIBBETTS  
JENNIFER H. REYNOLDS  
ELIZABETH P. MORANO  
DAVID ROBERT FOSS  
KEITH J. WOOD  
ALEXANDER J. SMOLENSKI, JR.  
P. JAMES COE  
JOHN L. CONWAY  
YANG XU, PH.D.  
NOT ADMITTED IN MASSACHUSETTS

Name: Josetta Jones, Examiner  
Organization: Patent and Trademark Office  
Fax: 703/305-3432  
Phone: 703-308-5871  
From: Karen Fama, Legal Assistant to J. Stickevers  
Date: June 27, 2001  
Subject: 1920/107  
Pages: — (Including Cover Sheet)

FAX COPY RECEIVED  
JUN 27 2001  
TECHNOLOGY CENTER 2000

Comments: Here is a copy of the references and search report that you requested. If you have any questions, please do not hesitate to contact me. Thank you.

Please notify Bromberg & Sunstein LLP at (617) 443-9292, if there are any problems with this transmission.

THIS TRANSMITTAL IS INTENDED ONLY FOR THE ADDRESSEE, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED OR CONFIDENTIAL. IF THE RECIPIENT OF THIS TRANSMITTAL IS NOT THE ADDRESSEE, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE.

(Rev. 7-7-98 Pub. 495)

FORM 6-3

6-41

Practitioner's Docket No.

1920/107

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application

of

Inventor(s)

for

Title of Invention

OR

In re application of: Tabrizi, B.

Application No.:

09/677,291

Group Art Unit: 2812

Filed:

October 2, 2000

Examiner:

Not Yet Assigned

For:

Semiconductor Packaging

Commissioner for Patents  
Washington, D.C. 20231

## SUPPLEMENTAL

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))

NOTE: "An information disclosure statement shall be considered by the Office if filed by the applicant, (1) within three months of the filing date of a national application; (2) within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or (3) before the mailing date of a first Office action on the merits, whichever event occurs last." 37 C.F.R. § 1.97(b)

## CERTIFICATE of MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

## MAILING

## FACSIMILE

☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

☐ transmitted by facsimile to the Patent and Trademark Office.

Date: June 20, 2001

Signature

John J. Stuckevers

(Type or print name of person certifying)

(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action [6-3]--page 1 of 2)

(Rel. 7-1998 Pub. 605)

FORM 6-1

6-42

NOTE: The "filing date of a national application" under 37 C.F.R. § 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark Office, the filing is defined in 37 C.F.R. § 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41." 37 C.F.R. § 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the basic national fee; (2) a copy of the international application, unless already sent by the International Bureau, and optionally an English translation if filed in another language; and, also optionally (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the international preliminary examination report, if such annexes were made in another language. The optional items must be submitted later, with surcharges. 37 C.F.R. § 1.97(b)(2).

### IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. § 1.97(b).

NOTE: "No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing."

NOTE: "An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 C.F.R. 1.8, or Express Mail certificate under 37 C.F.R. 1.10. An Office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

NOTE: "The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three-months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

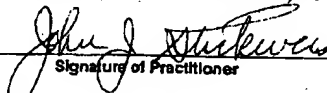
NOTE: "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirements (37 C.F.R. 1.142) or just a requirement for additional fees to have a claim considered (37 C.F.R. 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosures statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

WARNING: "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 C.F.R. § 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63).

Reg. No.: 39,387

Tel. No.: 617/443-9292

Customer No.: 002101

  
Signature of Practitioner  
John J. Stickevers

Bromberg & Sunstein LLP  
125 Summer Street, Boston, MA 02110

(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office  
Action [6-3]-page 2 of 2)

(Rev. 05-11/90 Pub. 605)

FORM 6-1

6-17

Practitioner's Docket No.

1920/107

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application

of \_\_\_\_\_

Inventor(s)

for \_\_\_\_\_

Title of Invention

OR

In re application of: Tabrizi, B.

Application No.:

09/677,291

Group Art Unit: 2812

Filed:

October 2, 2000

Examiner:

Not Yet Assigned

For:

Semiconductor Packaging

EAT MPA RECEIVED

JUN 27 2001

TECHNOLOGY CENTER 2300

Commissioner for Patents  
Washington, D.C. 20231

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

CERTIFICATE UNDER 37 C.F.R. § 1.8(a) and 1.10\*  
(When using Express Mail, the Express Mail label number is mandatory;  
Express Mail certification is optional.)

I hereby certify that this correspondence is, on the date shown below, being:

## MAILING

- ☒ deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents,  
Washington, D.C. 20231  
37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10\*

- ☒ with sufficient postage as first class mail.

☐ as "Express Mail Post Office to Addressee"

Mailing Label No. \_\_\_\_\_ (mandatory)

## TRANSMISSION

- ☐ transmitted by facsimile to the Patent and Trademark Office.

Date: June 20, 2001

Signature

John J. Stickevers

(type or print name of person certifying)

(Information Disclosure Statement (6-1)--page 1 of 8)

NOTE: "An information disclosure statement shall be considered by the Office if filed by the applicant within any one of the following time periods:

- (1) Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
- (2) Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;
- (3) Before the mailing date of a first Office action on the merits; or
- (4) Before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114."

37 C.F.R. § 1.97(b).

NOTE: "Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section." 37 C.F.R. § 1.56(a).

"Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) each inventor named in the application;
- (2) each attorney or agent who prepares or prosecutes the application; and
- (3) every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application." 37 C.F.R. § 1.56(c).

NOTE: The "duty as described in § 1.56 will be met so long as the information in question was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98 before issuance of the patent." Notice of January 9, 1992, 1135 O. G. 13 -25 at 17.

**WARNING:** "No information disclosure statement maybe filed in a provisional application." 37 C.F.R. § 1.51(d).

### List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

(check sections forming a part of this statement: discard unused sections and number pages consecutively)

1. ☒ Preliminary Statements
2. ☒ FORMS PTO/SB/08A and 08B (formerly FORM PTO-1449)
3. ☐ Statement as to Information Not Found in Patents or Publications
4. ☐ Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
5. ☐ Cumulative Patents or Publications
6. ☒ Copies of Listed Information Items Accompanying This Statement
7. ☐ Concise Explanation of Non-English Language Listed Information Items
  - 7A. ☒ EPO Search Report
  - 7B. ☐ English Language Version of EPO Search Report
8. ☐ Translation(s) of Non-English Language Documents
9. ☐ Concise Explanation of English Language Listed Information Items (Optional)
10. ☒ Identification of Person(s) Making This Information Disclosure Statement

(complete the following, if appropriate)

Sections \_\_\_\_\_, respectively, have been continued on ADDED PAGE(S).

NOTE: "Once the minimum requirements are met the examiner has an obligation to consider the information." Notice of April 20, 1992 (1138 O.G. 37-41, 37).

(Information Disclosure Statement [6-1]--page 2 of 8)

(Rev. 85-11/80 Pub. 685)

FORM 6-1

6-12

**Section 1. Preliminary Statements**

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

SECTION 2: FORM PTO 1449 - MODIFIED

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tabrizi, B. Atty Dkt: 1920/107  
Serial No: 09/677,291 Date: June 20, 2001  
Date Filed: October 2, 2000  
Invention: Semiconductor Packaging

Commissioner for Patents  
Washington, DC 20231

FAX COPY RECEIVED

JUN 27 2001

TECHNOLOGY CENTER 2800

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS'  
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

## U.S. Documents

Exam. Ref. Init. No.	Document Number	Issue Date	Name	Class
AL	3,436,604	4/1/69	Luecke, et al.	317/101
AM	4,936,808	6/26/90	Lee	445/24
AN	5,198,963	3/30/93	Gupta, et al.	361/386

## Foreign Patent Documents

Exam. Ref. Init. No.	Document Number	Issue Date	Name
AO	WO 96/12298	4/25/96	Hsue, et al.
AP	WO 99/28971	6/10/99	Preuss, et al.

Other Documents

AQ EPO International Search Report; PCT/US 00/27206; 10/2/00  
Examiner: \_\_\_\_\_

Date Considered: \_\_\_\_\_

NOTE FOR EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance AND not considered. Include copy of this form with next communication to applicant.

0192000 000 140002 1

(Rev. 85-11/00 Pub. 605)

FORM 6-1

6-26

**Section 6. Copies of Listed Information Items Accompanying This Statement**

NOTE: 37 C.F.R. § 198(a)(2) requires that any information disclosure statement filed under § 1.97 shall include:

\*A legible copy of:

- (i) Each U.S. patent application publication and U.S. and foreign patent;
- (ii) Each publication or that portion which caused it to be listed,
- (iii) For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion. . .

Legible copies of all items listed in Forms PTO/SB/08A and 08B (formerly Form PTO-1449) accompany this information statement.

(complete the following, if applicable)

Exception(s) to above:

- ☐ Items in prior application, from which an earlier filing date is claimed for this application, as identified in Section 4.
- ☐ Cumulative patents or publications identified in Section 5.

(Rev. 15-11/00 Pub. 605)

FORM 6-1

6-28

**Section 7A. Concise Explanation of Non-English Language Listed  
Information Items-EP Search Report**

The relevance with respect to the following citations listed on Forms PTO/SB/08A and  
08B (formerly Form PTO-1449):

is submitted on the basis of the accompanying:

*(check the appropriate item)*

- ☒ EPO search report that is in the English language,
- ☐ EPO search report that is not in the English language and that is accompanied  
also by an English language version of the EPO search report,

that issued on the corresponding European patent application.

(Rev. 11-11-99, Pub. 605)

FORM 6-1

6-32

**Section 10. Identification of Person(s) Making This Information Disclosure Statement**

The person making this statement is

(check each applicable item)

- (a)
- ☐
- the inventor(s) who signs below

\_\_\_\_\_  
SIGNATURE OF INVENTOR\_\_\_\_\_  
(type or print name of inventor who is signing)

- (b)
- ☐
- an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c))

\_\_\_\_\_  
SIGNATURE OF INVENTOR\_\_\_\_\_  
(type or print name of inventor who is signing)

- (c)
- ☒
- the practitioner who signs below on the basis of the information:

(check each applicable item)

- ☐ supplied by the inventor(s).
- ☐ supplied by an individual associated with the filing and prosecution of this application. (37 C.F.R. § 1.56(c))
- ☒ in the practitioner's file.

Reg. No.: 39,387

Tel. No.: 617/443-9292

Customer No.: 00-2101

  
\_\_\_\_\_  
SIGNATURE OF PRACTITIONER

John J. Stickevers

(type or print name of person certifying)

Bromberg & Sunstein LLP  
125 Summer Street, Boston, MA 02110

JUS/Vel

## EVALUATE STAFF APPLICATION

The Candidate for Patent has received from Bromberg &amp; Sunstein LLP the following re:

Inventor: Tabrizi, B.

Order No: 1920/107

Title: Semiconductor Packaging

App. No: 2812

Serial/Ref. No. 09/677,291

Examiner:

Not Yet Assigned

Filing Date: October 2, 2000.

Date:

June 20, 2001

- ☐ New Application Transmitted  
☐ Provisional Application Claim Filed  
☐ Description: \_\_\_\_\_ paper  
☐ Claims: \_\_\_\_\_ pages  
☐ Abstract  
☐ Drawing of Invention  
☐ Declaration & Power of Attorney  
☐ Received: \_\_\_\_\_ Transmitted  
☐ Serial Entry Submitted  
☐ Assignment/Transferee from Case File  
☐ Completion of Filing Requirements  
☐ Report on Current Filing Activity
- ☐ Application Transmitted  
☐ Amendment (Rejection)  
☐ Transmitted  
☐ SUPPLEMENTAL NO  
☐ Not a Rejection: YES-NO  
☐ Rejection by: \_\_\_\_\_ cause Extension  
☐ Transmittal of Final Drawings  
☐ Issue the Transmittal & Form PTO-450  
☐ Payment of: \_\_\_\_\_ Maintenance Fee  
☐ Check to the amount of \$ \_\_\_\_\_  
☐ \_\_\_\_\_  
☐ \_\_\_\_\_